

Steam Crossover (STRCTR-477)

Length 160 hours (20 days)

Objective

Each student who successfully completes this course will learn the background knowledge to support the tasks, duties, and responsibilities in:

- Managing the operation of steam propulsion plant machinery
- Planning and scheduling operations
- Operation, surveillance, performance assessment and maintaining safety of steam propulsion plant and auxiliary machinery
- Manage fuel, lubrication and ballast operations

This Course is USCG Approved and STCW Compliant. The course certificate will state:

“Any applicant who has successfully completed our Steam Crossover course and presents our Certificate of Training within one year of course completion will satisfy the following:

For Third or Second Engineer National Credential and Operational Level (STCW A-III/1 applicant:

- a) Receive once, 60 days of sea service credit towards raising a Third Assistant Engineer Steam endorsement to a Second Assistant Engineer Steam Endorsement; **OR**
- b) Satisfy once, the course requirements of 46 CFR 11.502(b)(4) for adding the Steam Propulsion endorsement to the level of their current unlimited motor or gas turbine endorsement; **AND**
- c) Satisfy Tasks 1.1.C, 4.1.B, 4.1.C, 4.2.B, 4.3.A, 4.3.D, 4.3.G, 4.3.J, 4.3.K, 4.3.L, 4.3.P, 4.3.Q and 6.1.C; from the National Assessment Guidelines, as documented in NVIC 17-14 Officer in Charge of an Engineering Watch will satisfy 46 CFR 11.329(a)(2) for removing the steam propulsion limitation on their STCW OICEW endorsement; **OR**

Chief or First Engineer National Credential and Management Level (STCW A-III/2 applicant

- a) Satisfy the course requirement of 46 CFR 11.502(b)(4) for adding the Steam Propulsion endorsement to the level of their current unlimited motor or gas turbine endorsement; **AND**
- b) Satisfy Tasks 1.2.A, 1.2.B, 1.2.C, 1.2.D, 3.2.A, 5.1.B, 7.1.B and 8.1.A from the National Assessment Guidelines, as documented in NVIC 15-14 Chief Engineer/Second Engineer Officer 4,000 HP or More will satisfy 46 CFR 11.325 (a)(2) and 46 CFR 11.327(a)(2) for removing the steam propulsion limitation on their STCW Chief Engineer or Second Engineering Officer endorsement. Completed Task Control sheets are not required to be submitted but must be retained in records providing proof of completion. Instructors approved for this course may assess and sign the above Tasks as appropriate. This course may be used for only on application towards sea time credit OR a steam endorsement cross-over and may not be used for subsequent raises-in-grade or cross-over applications.”

Scope

This course is intended to meet training requirements as listed above in the USCG Approved and STCW Compliant Course Certificate section.

Entry standards

This course is open to applicants who hold a valid USCG Merchant Marine Engineering License of Any Horsepower. The course is intended for officers for certification as chief engineer and second (first) engineer on ships powered by main steam propulsion machinery of 3000KW propulsion power or more. Each student should have successfully completed a course covering the minimum standards required for certification as officer in charge of an engineering watch and have approved seagoing service. Each student must be at least 18 years of age, in possession of a valid Merchant Mariners Document and proficient in the English language.

Simulators and Training Tools

- Kongsberg Desktop model SP25 Steam Propulsion Plant Simulator

Teaching Facility

STAR Center, Dania Beach, Florida